

**IN THE CLAIMS:**

Please cancel claim 1 without prejudice to or disclaimer of the subject matter recited therein.

Please amend claims 2 and 3 as follows:

**LISTING OF CURRENT CLAIMS**

Claim1. (Canceled)

Claim 2. (Currently Amended) ~~The transfer connection device for wirelessly connecting a mobile phone and a hand-free handset of claim 1;~~ A transfer connection device for wirelessly connecting a mobile phone and a hand-free handset, comprising:

5        a first connector coupling with the mobile phone; and  
      a second connector coupling with the hand-free handset for transmitting  
      signals between the mobile phone and the hand-free handset through the first  
      connector and the second connector in a wireless fashion, wherein the first  
10       connector includes a first radio transmitting and receiving unit, a first antenna, a first  
      modulation/demodulation unit, a first control unit, a first memory unit, a first  
      processing unit, and a first connection interface; wherein

      the first radio transmitting and receiving unit is controlled by the first control  
      unit for receiving radio signals from the second connector and for emitting signals  
      output by the first modulation/demodulation unit through the first antenna to the  
15       second connector;

      the first antenna receives and transmits radio signals;

      the first modulation/demodulation unit is controlled by the first control unit to  
      modulate output signals from the first processing unit and transfer to the first radio  
      transmitting and receiving unit, and to demodulate radio signals received from the  
20       first radio transmitting and receiving unit and transfer to the first processing unit for  
      processing;

      the first control unit controls and coordinates all other units in the first  
      connector;

the first memory unit stores set values of the first connector and temporarily  
25 stores the received and transmitted radio signals;

the first processing unit is controlled by the first control unit for processing  
audio voice and control data of the mobile phone and providing to the first  
modulation/demodulation unit; and

the first connection interface allows a signal terminal of the mobile phone  
30 connecting the first connector, and is selectively a signal line or a socket.

Claim 3. (Currently Amended) ~~The transfer connection device for wirelessly  
connecting a mobile phone and a hand-free handset of claim 1;~~ A transfer  
connection device for wirelessly connecting a mobile phone and a hand-free  
handset, comprising:

5 a first connector coupling with the mobile phone; and  
a second connector coupling with the hand-free handset for transmitting  
signals between the mobile phone and the hand-free handset through the first  
connector and the second connector in a wireless fashion, wherein the second  
connector includes a second radio transmitting and receiving unit, a second  
10 antenna, a second modulation/demodulation unit, a second control unit, a second  
memory unit, a second processing unit, and a second connection interface; wherein:

the second radio transmitting and receiving unit is controlled by the second  
control unit for receiving radio signals from the first connector and emitting signals  
output by the second modulation/demodulation unit through the second antenna to  
15 the first connector;

the second antenna receives and transmits radio signals;

the second modulation/demodulation unit is controlled by the second control  
unit to modulate output signals from the second processing unit and transfer to the  
second radio transmitting and receiving unit, and to demodulate radio signals  
20 received from the second wireless transmitting and receiving unit and transfer to the  
second processing unit for processing;

the second control unit controls and coordinates all other units in the second  
connector;

the second memory unit stores set values of the second connector and  
25 temporarily stores the received and transmitted radio signals;

the second processing unit is controlled by the second control unit for  
processing audio voice and control data of the hand-free handset and transferring  
to the second modulation/demodulation unit; and

the connection interface allows a signal terminal of the hand-free handset  
30 connecting the second connector, and is selectively a signal line or a socket.